



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON
CONTAINING FORMATION HAVING A SELECTED TOTAL
ORGANIC CARBON CONTENT





Application Number: 09/841287
Confirmation Number: 5477
First Named Applicant: Kevin Maher
Attorney Docket Number: 5659-03800
Art Unit: 3673
Examiner: John J. Kreck
Search string: (4193451 or 4265307 or 4390067 or 4456065
or 4457374 or 4479541 or 4498535 or 4598770
or 4669542 or 4682652 or 4982786 or 5201219
or 5339904 or 3348745 or 1646599 or 3952802
or 4010800 or 3892270).pn.

US Patent Documents


Note: Applicant is not required to submit a paper copy of cited US Patent Documents

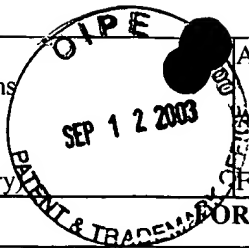
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4193451	1980-03-18	Dauphine			
<input checked="" type="checkbox"/>	2	4265307	1981-05-05	Elkins			
<input checked="" type="checkbox"/>	3	4390067	1983-06-28	Wilman			
<input checked="" type="checkbox"/>	4	4456065	1984-06-26	Heim et al.			
<input checked="" type="checkbox"/>	5	4457374	1984-07-03	Hoekstra et al.			
<input checked="" type="checkbox"/>	6	4479541	1984-10-30	Wang			
<input checked="" type="checkbox"/>	7	4498535	1985-02-12	Bridges			
<input checked="" type="checkbox"/>	8	4598770	1986-07-08	Shu et al.			
<input checked="" type="checkbox"/>	9	4669542	1987-06-02	Venkatesan			
<input checked="" type="checkbox"/>	10	4682652	1987-07-28	Huang et al.			
<input checked="" type="checkbox"/>	11	4982786	1991-01-08	Jennings, Jr.			
<input checked="" type="checkbox"/>	12	5201219	1993-04-13	Bandurski et al.			
<input checked="" type="checkbox"/>	13	5339904	1994-08-23	Jennings, Jr.			
<input checked="" type="checkbox"/>	14	3348745	1967-10-31	Holbert et al.			

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	15	1646599	1927-10-25	Schaefer
	16	3952802	1976-04-27	Terry
	17	4010800	1977-03-08	Terry
	18	3892270	1975-07-01	Lindquist

Signature

Examiner Name	Date
	11/24/12



ATTY. DKT. NO. 5659-03800

SERIAL NO. 09/841,287

APPLICANT: Maher et al.

Art Unit: 3673

FILING DATE: April 24, 2001

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
or	T01	1836876	12/30/1994	SU			Y

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

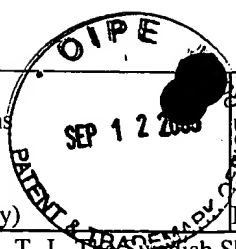
or	T02	Burnham, Alan, K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).
	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).
	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).
	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).
	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).
	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..
	T08	Dinneen, et al. "Developments in Technology for Green River Oil Shale" United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-20).
	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).
	T10	Dougan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).
	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).
	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).
	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).
	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages)
u	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).
*	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).
*	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).
r	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages)
r	T19	Vogel et al. "An Analog Computer for Studying Heat Transfer during a Thermal Recovery Process," AIChE Petroleum Transactions, 1955 (pages 205-212).
*	T20	"SKIFFEROLJA GENOM LUPPVARMINING AV SKIFFERBERGET," Faxin Department och Namn, 1944, (33 pages)
*	T21	"Aggregeringens orsaker och ransoneringen grunder", Av director E.F.Cederlund I Statens livsmedelskommission (1 page).
x	T22	Ronnby, E. "KVARNTORP-Sveriges Storsta skifferoljeindustri," 1943, (9 pages)
x	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).
x	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)

EXAMINER:

DATE CONSIDERED: 11/24

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)



PAT. DKT. NO. 5659-03800

SERIAL NO. 09/841,287

APPLICANT: Maher et al.

Art Unit: 3673

FILING DATE: April 24, 2001

or	T25	Hedback, T. J., "The Swedish Shale as Raw Material for Production of Power, Oil and Gas," XIth Sectional Meeting World Power Conference, 1957 (9 pages)
	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English
	T27	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 1955 Vol. 2, (146 pages) English.
	T28	"Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English.
	T29	Helander, R.E., "Santa Cruz, California, Field Test of Carbon Steel Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.
	T30	Helander et al., Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery" 1959, (86 pages) English.
	T31	SSAB report, "Bradford Residual Oil, Athabasa Ft. McMurray" 1951, (207 pages), partial translation.
or	T32	"Lins Burner Test Results-English" 1959-1960
*	T33	SSAB "Annual Reports, SSAB Laboratory, Address Annually Issues Shale and Ash, Oil, Gas, Waste Water, Analytical", 1953-1954, (166 pages). Swedish
	T34	SSAB report, "Financial Matter, Swedish taxes, etc.," 1960-1961 (37 pages). Swedish
	T35	SSAB report, "Cost For Mining," 1959-1979 (13 pages). Swedish
	T36	SSAB report, "Cost Comparison of Mining and Processing of Shale and Dolomite Using Various Production Alternatives", 1960, (64 pages). Swedish
	T37	SSAB report, "Assessment of Future Mining Alternatives of Shale and Dolomite," 1962, (59 pages) Swedish.
*	T38	SSAB report, "Kartong 2 Shale: Ljungstomsanläggningen" (104 pages) Swedish.
JK	T39	SAAB, "Photos", (18 pages).
*	T40	SAAB report, "Swedish Geological Survey Report, Plan to Delineate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish.
	T41	SAAB report, "Recovery Efficiency," 1941 (61 pages). Swedish.
	T42	SAAB report, "Geologic Work Conducted to Assess Possibility of Expanding Shale Mining Area in Kvarntorp; Drilling Results, Seismic Results," 1942 (79 pages). Swedish.
	T43	SSAB report, "Ojematinigar vid Norrtorp," 1945 (141 pages).
	T44	SSAB report, "Inhopplingschema, Norrtorp II 20/3-17/8", 1945 (50 pages) Swedish.
	T45	SSAB report, "Secondary Recovery after LINS," 1945 (78 pages)
	T46	SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish.
	T47	SSAB report, "Styrehseprotokoll," 1943 (10 pages). Swedish.
	T48	SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish.
	T49	SSAB report, "Analysis of Ljunstrom Oil and its Use as Liquid Fuel," Thesis by E. Pals, 1949 (83 pages). Swedish.
	T50	SSAB report, "Environmental Sulphur and Effect on Vegetation," 1951 (50 pages). Swedish.
	T51	SSAB report, "Tar Sands", Vol.135 1953 (20 pages, pages 12-15 translated). Swedish.
*	T52	SSAB report, "Assessment of Skanes Area (Southern Sweden) Shales as Fuel Source," 1954 (54 pages). Swedish.

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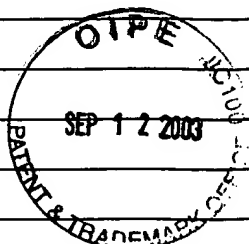
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Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5659-03800 APPLICANT: Maher et al. FILING DATE: April 24, 2001	SERIAL NO. 09/841,287 Art Unit: 3673
*	T53	SSAB report, "From as Utro Dn Text Geology Reserves," 1960 (93 pages). Swedish.	
*	T54	SSAB report, "Kvarntorps-Environmental Area Assessment," 1981 (50 pages). Swedish.	



*: No translation, not considered

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DATE CONSIDERED: 11/24/03

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Title of
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ORGANIC CARBON CONTENT

Application Number: 09/841287



Confirmation Number: 5477

First Named Applicant: Kevin Maher

Attorney Docket Number: 5659-03800

Art Unit: 3673

Examiner: John J. Kreck

Search string: (3026940 or 3947683 or 3285335 or 3456721
or 2857002 or 3165154 or 4458757 or 4931171
or 4737267 or 4384948 or 3593790 or 3497000
or 3244231 or 3223166 or 3947656).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3026940	1962-03-27	Spitz			
	2	3947683	1976-03-30	Schultz et al.			
	3	3285335	1966-11-15	Reistle			
	4	3456721	1969-07-22	Smith			
	5	2857002	1958-10-21	Pevere et al.			
	6	3165154	1965-01-12	Santourian			
	7	4458757	1984-07-10	Bock et al.			
	8	4931171	1990-06-05	Piotter			
	9	4737267	1988-04-12	Pao et al.			
	10	4384948	1983-05-24	Barger			
	11	3593790	1971-07-20	Herce			
	12	3497000	1970-02-24	Hujsak et al.			
	13	3244231	1966-04-05	Grekel et al.			
	14	3223166	1965-12-14	Hunt et al			

<input checked="" type="checkbox"/>	15	3947656	1976-03-30	Lodi
Signature				
Examiner Name			Date	
			11/24/03	

Form PTO-1449 (modified)
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For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)



ATTY. DKT. NO. 5659-03800/796

SERIAL NO. 09/841,287

APPLICANT: Maher et al.

GROUP: 3672

FILING DATE: April 24, 2001

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	AA2	294 809	1988-12-14	EP			

EXAMINER:

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